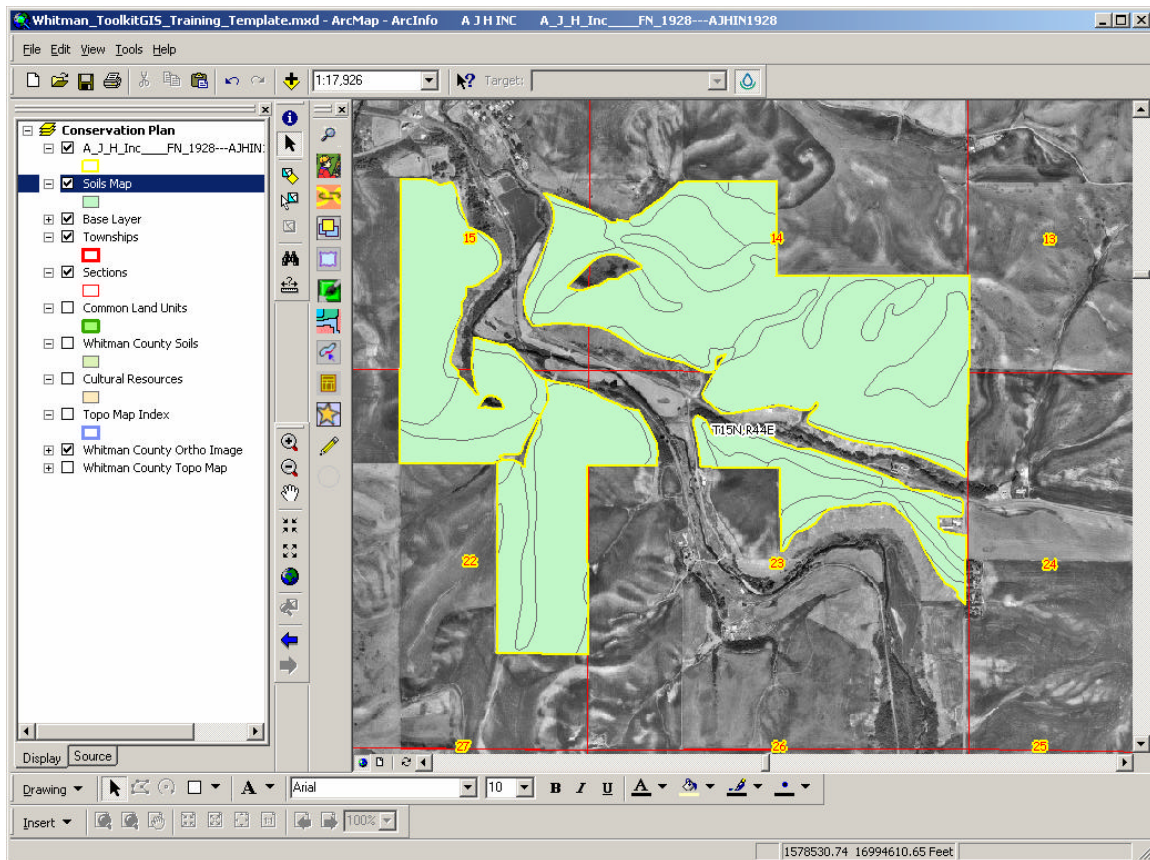
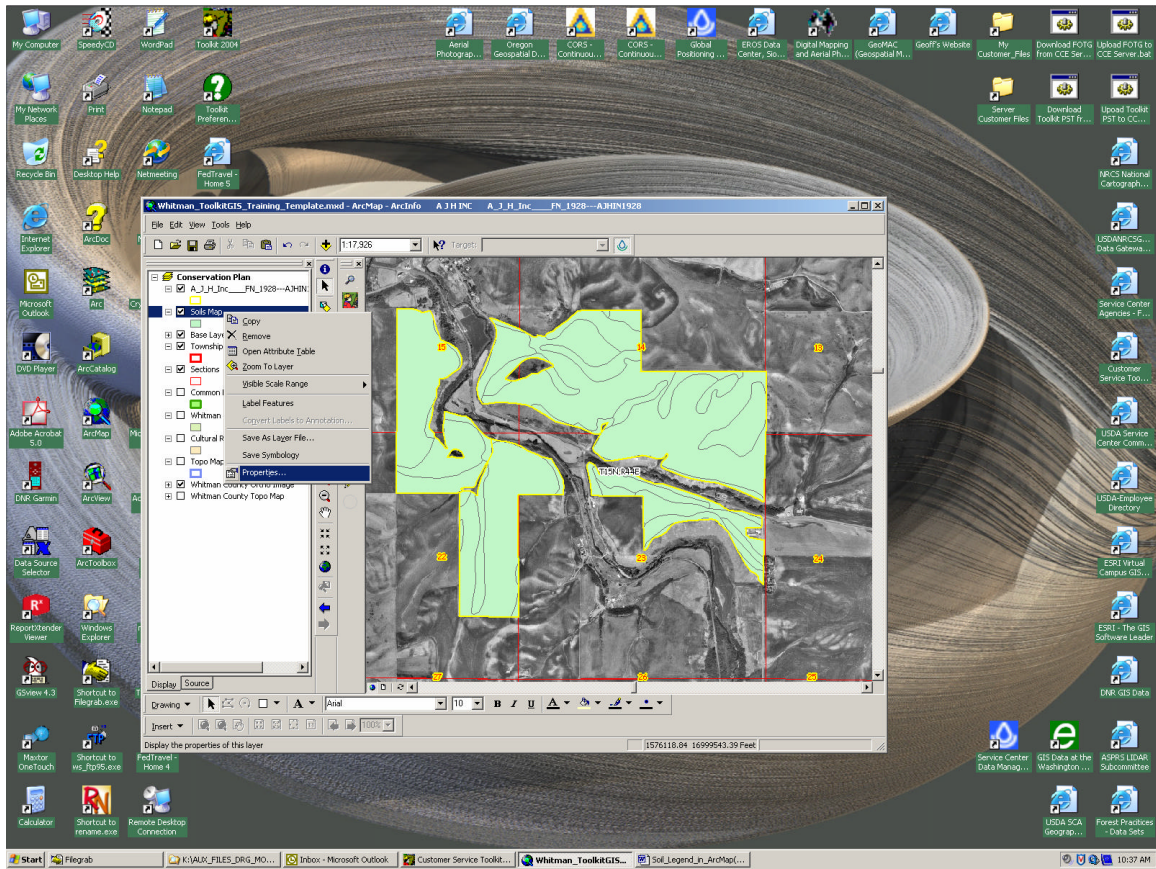


Helpful Hint—SYMBOLIZING THE SOILS MAP

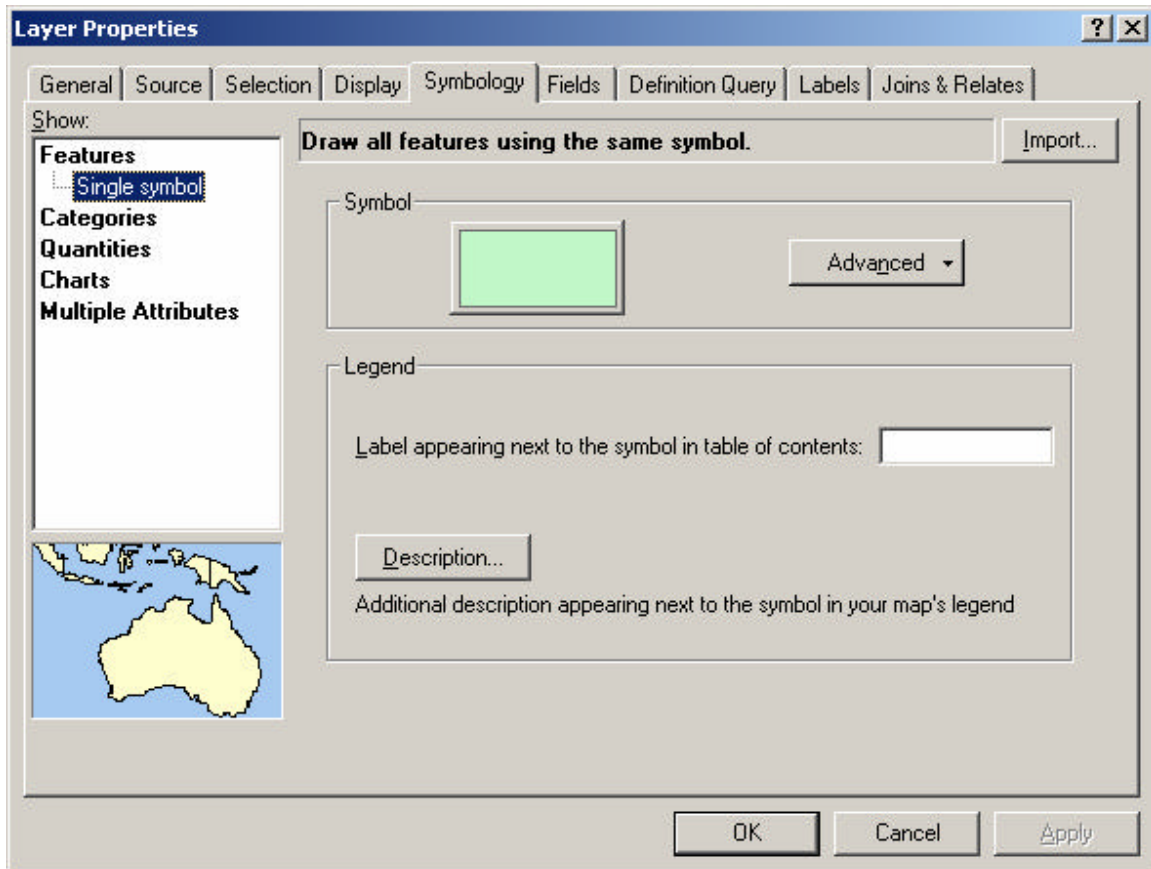
Applies to Version:	Toolkit 2004/ArcGIS
Written by:	Dave Brower Washington NRCS GIS Specialist
Helpful Hint Date:	1/17/2005

After you have created your “Soils Map” by clipping the soil survey to your Planned Land Unit, you will want to give **unique symbols** to the soil map units and make them **transparent**.

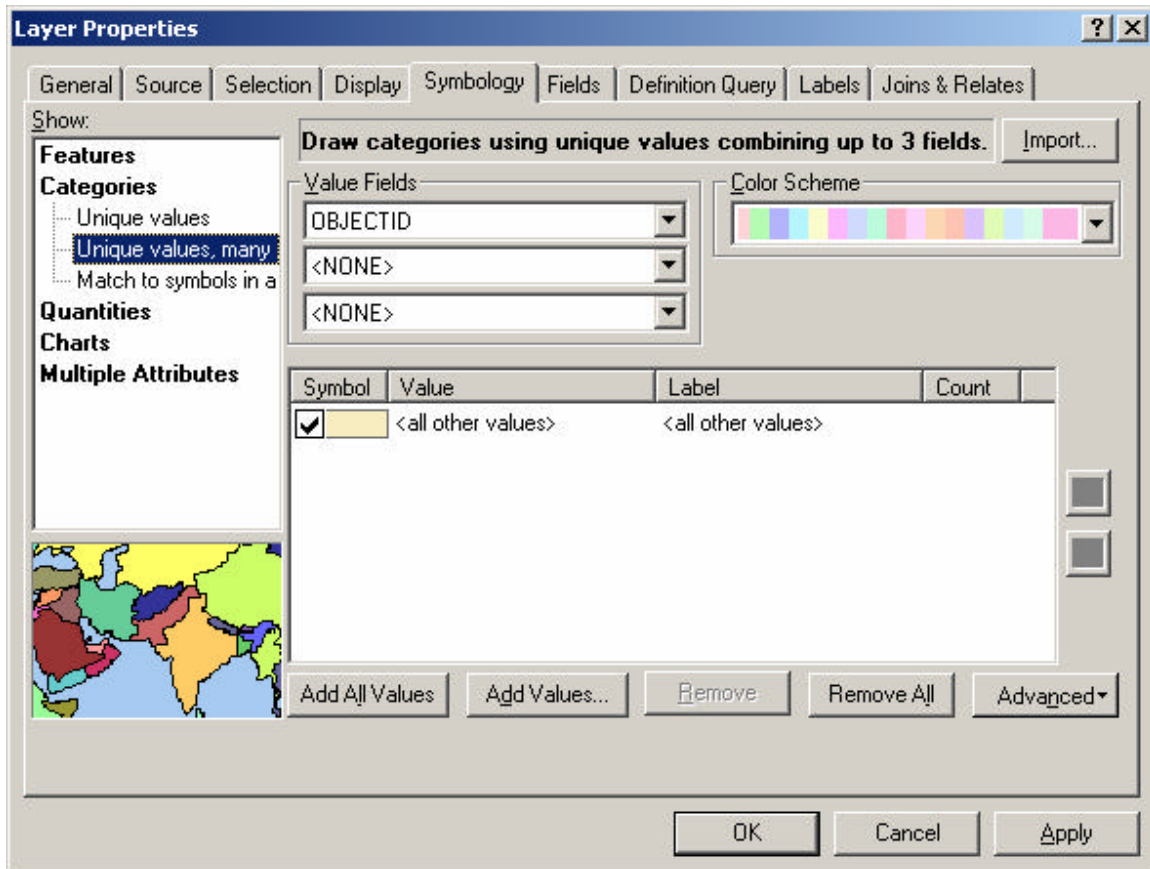




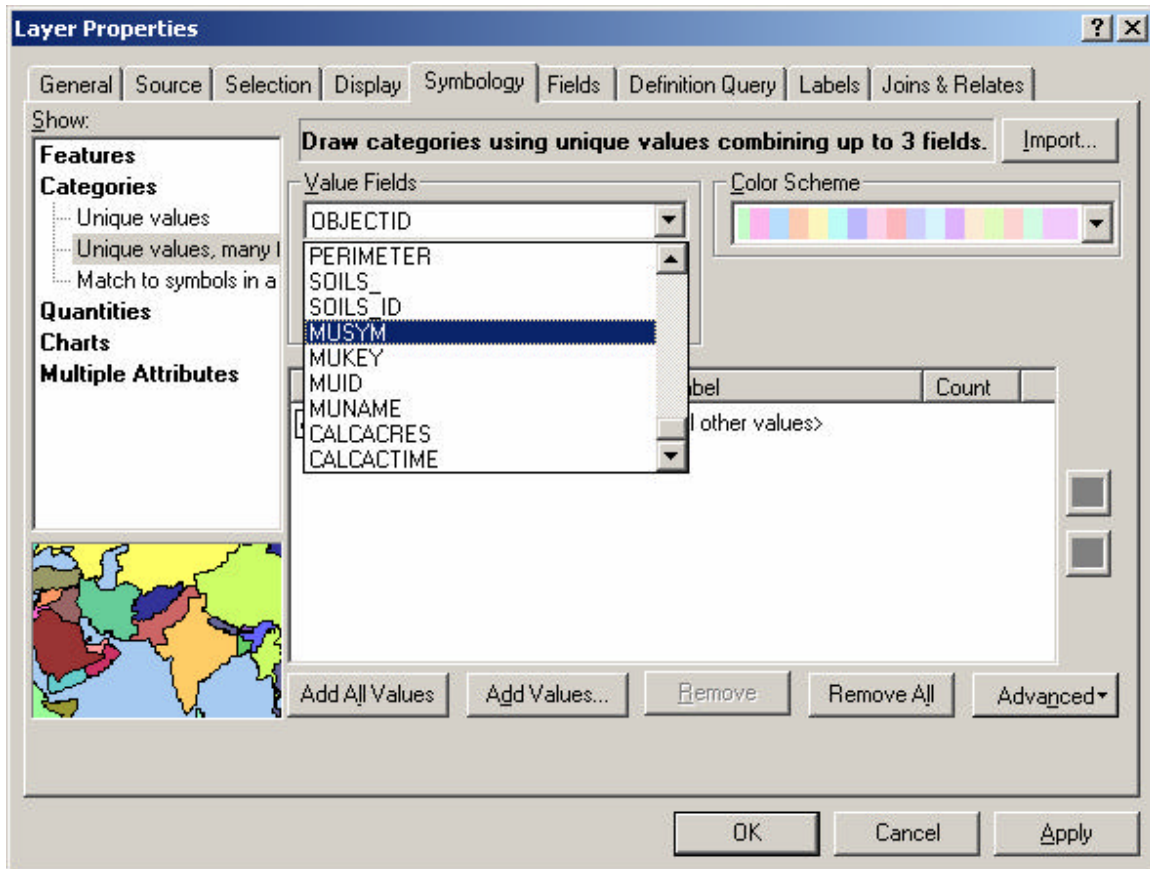
Right click on the “Soils Map” in the Table of Contents (the legend on the left) and select **Properties**.



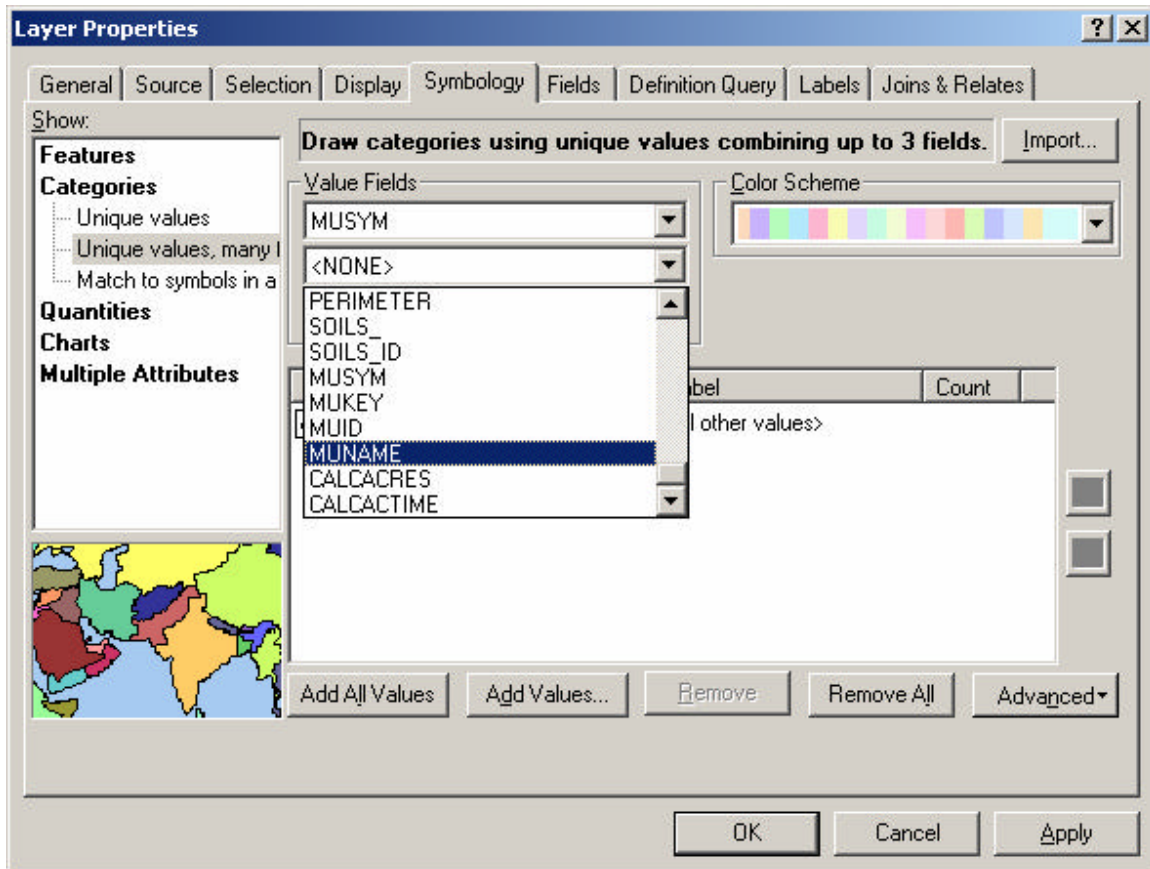
The “Layer Properties” window appears. Click on the “Symbology” tab.



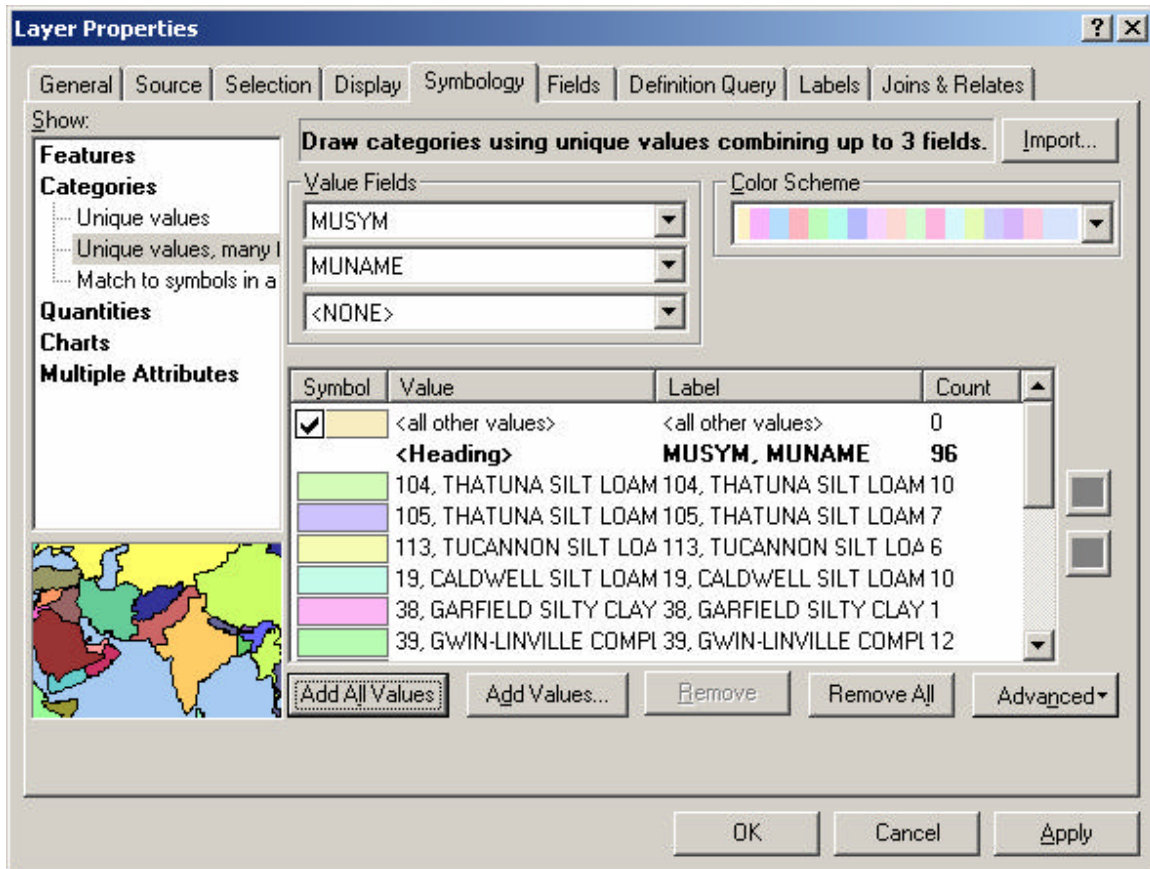
On the left, click on “Categories” and select “Unique values, many fields”.



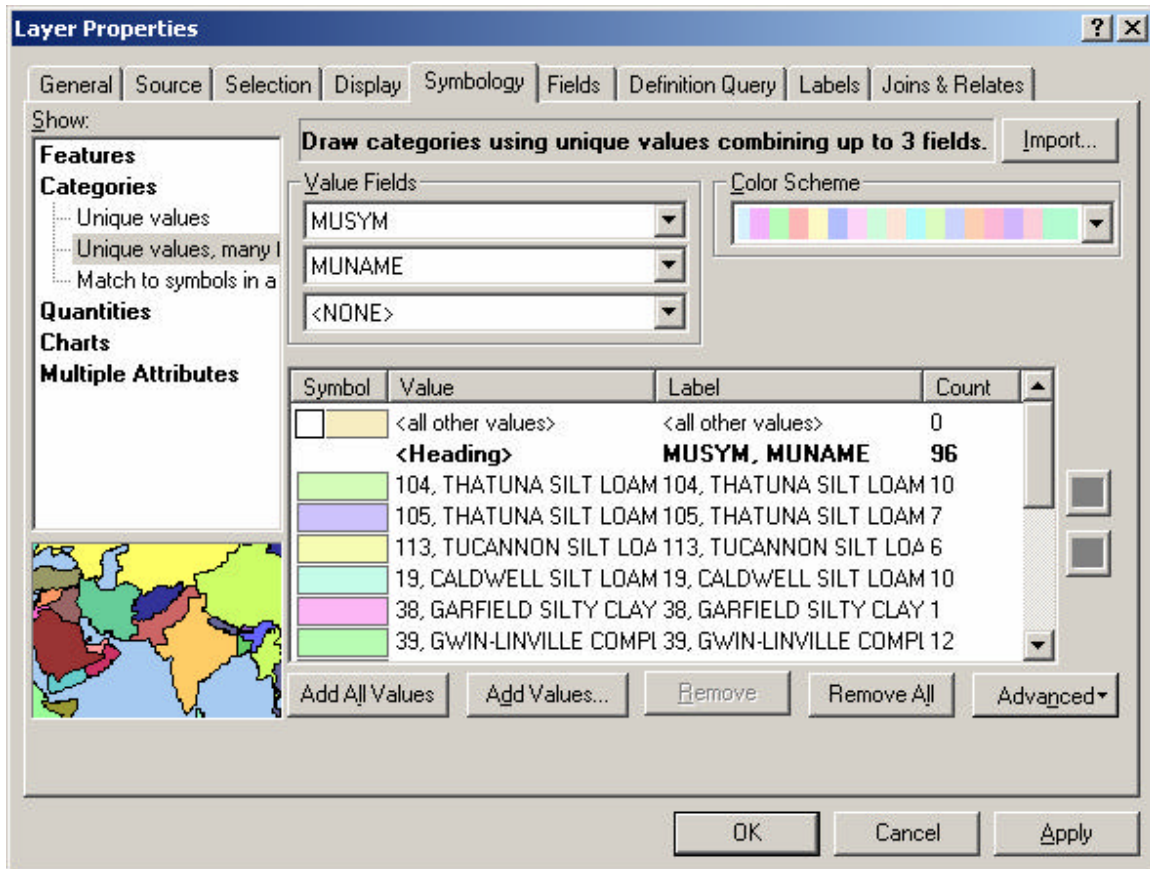
Under “Value Fields” click on the **first** pull-down menu, scroll to the bottom, and select “MUSYM”.



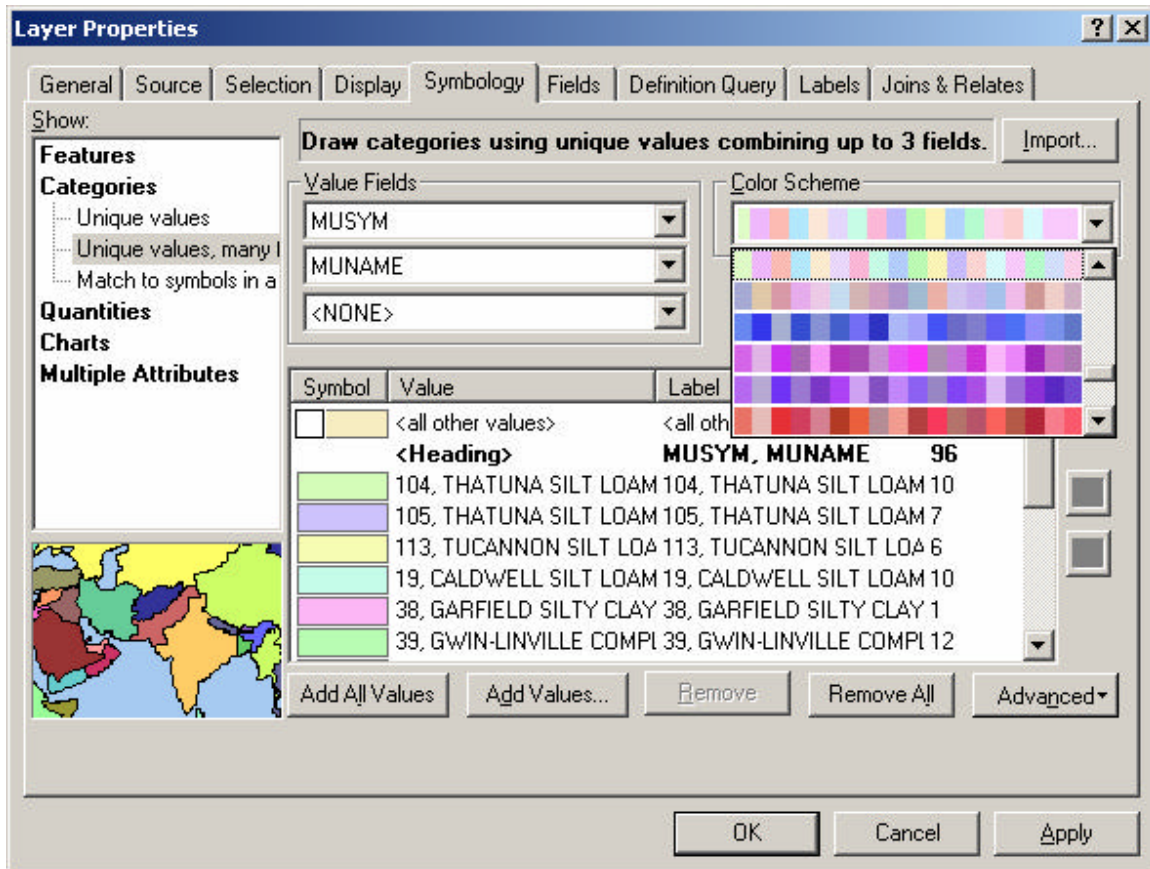
Again under “Value Fields” click on the **second** pull-down menu, scroll to the bottom, and select “MUNAME”.



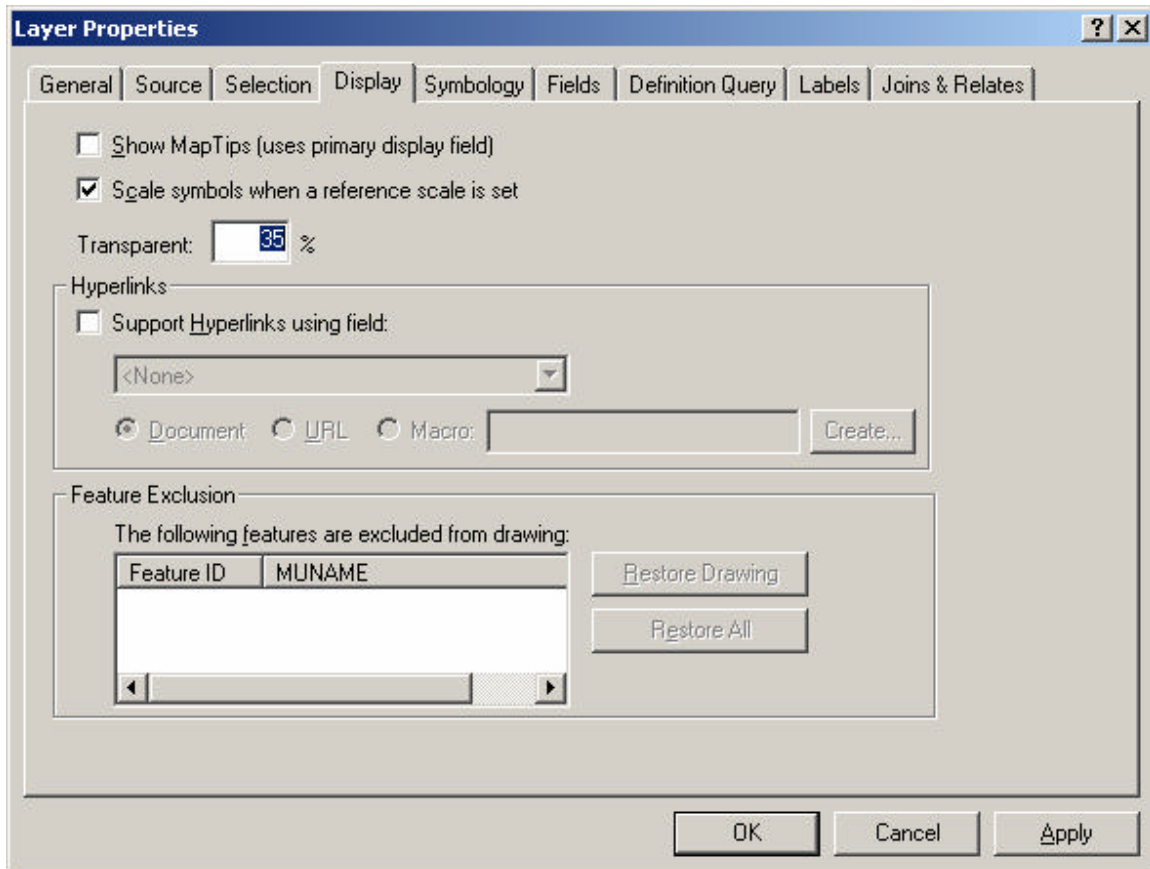
Click on the “Add All Values” button in the lower left.



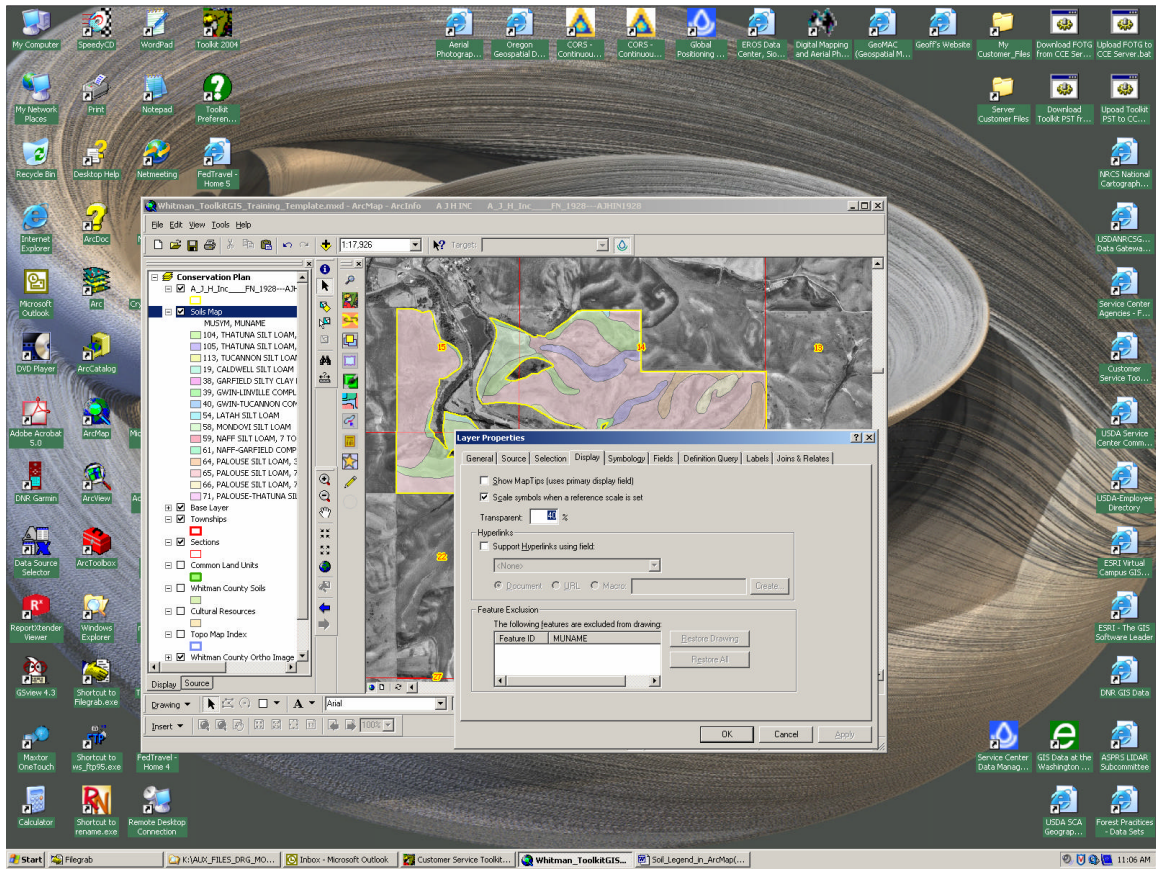
Remove the **check mark** in the **Symbol** column next to “<all other values>”. Then click on the “Apply” button.



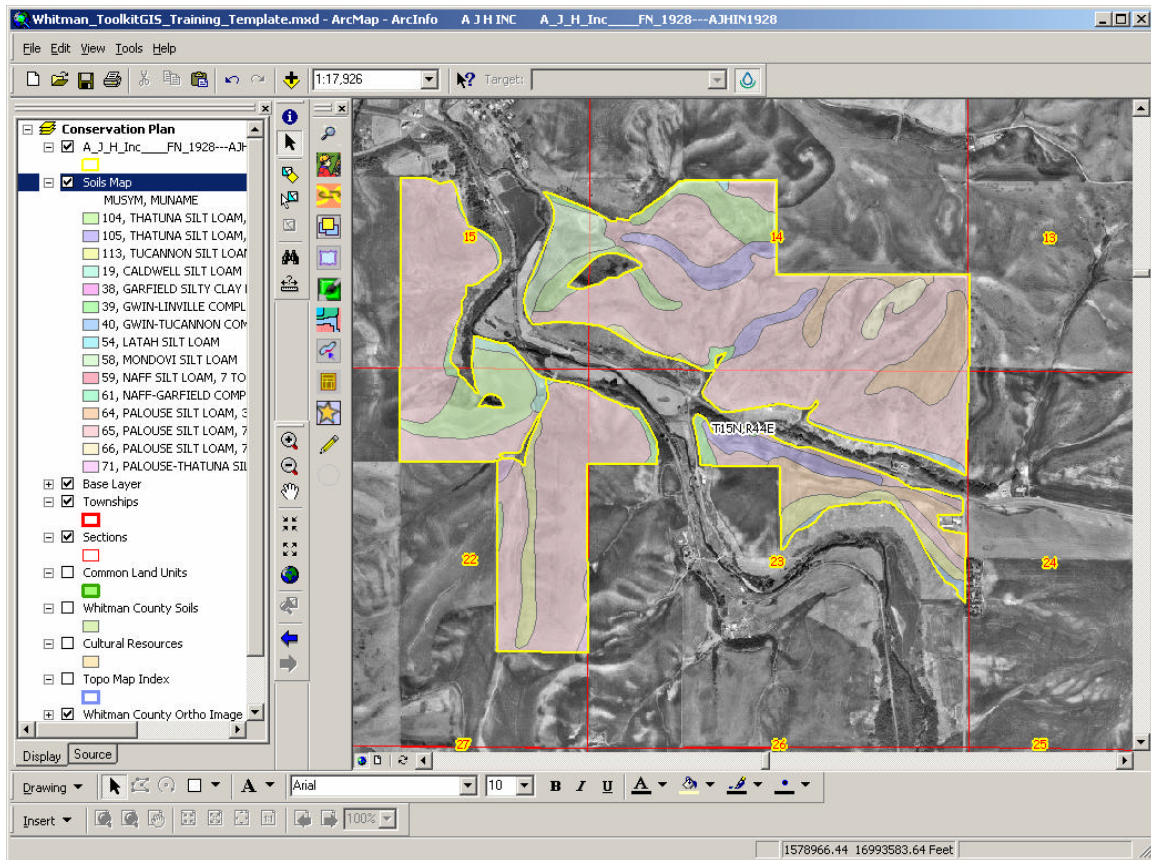
You can change the colors of the soils if you wish. Click on the pull down menu under “Color Scheme” and choose a different set of colors. Click “Apply”.



Next, you need to set the **transparency** so you can see through the soil symbols to the ortho image beneath it. Click on the “Display” tab. In the box next to “Transparent” change the percent value to “35”. Click “Apply”.



You can change this percent value to anything between **0** and **100**, depending on how transparent you want your soils layer to be. Move the “Layer Properties” window to the side and look at your ArcMap view. Determine if the soils are appropriately transparent. If not, change the percent value and click “Apply” again. When you are satisfied, click “OK” to close the “Layer Properties” window.



Notice in the **Table of Contents** on the left that the Soils Map legend now shows both the MUSYM number and the MUNAME description.

Now you should create soil labels for your map.

Toolkit V5 Map Labels

Soils Map

☒ Create Annotation Layer

Label Style: Text

Field 5
154.4 AC
Crop

Label Properties: Text Size: 8, ☒ Scale Labels

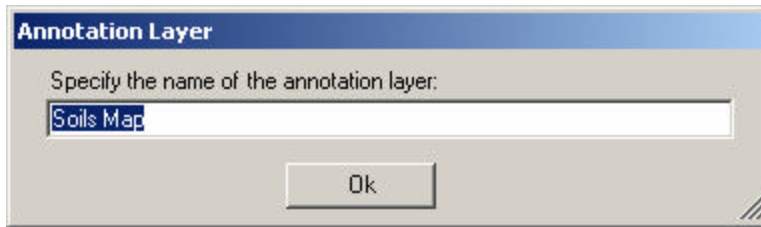
	Field	Text	Units	Decimals
<input checked="" type="checkbox"/>	MUSYM			0
<input type="checkbox"/>				0
<input type="checkbox"/>				0
<input type="checkbox"/>				0
<input type="checkbox"/>				0

Clear All

OK User Preference Save User Preference Cancel

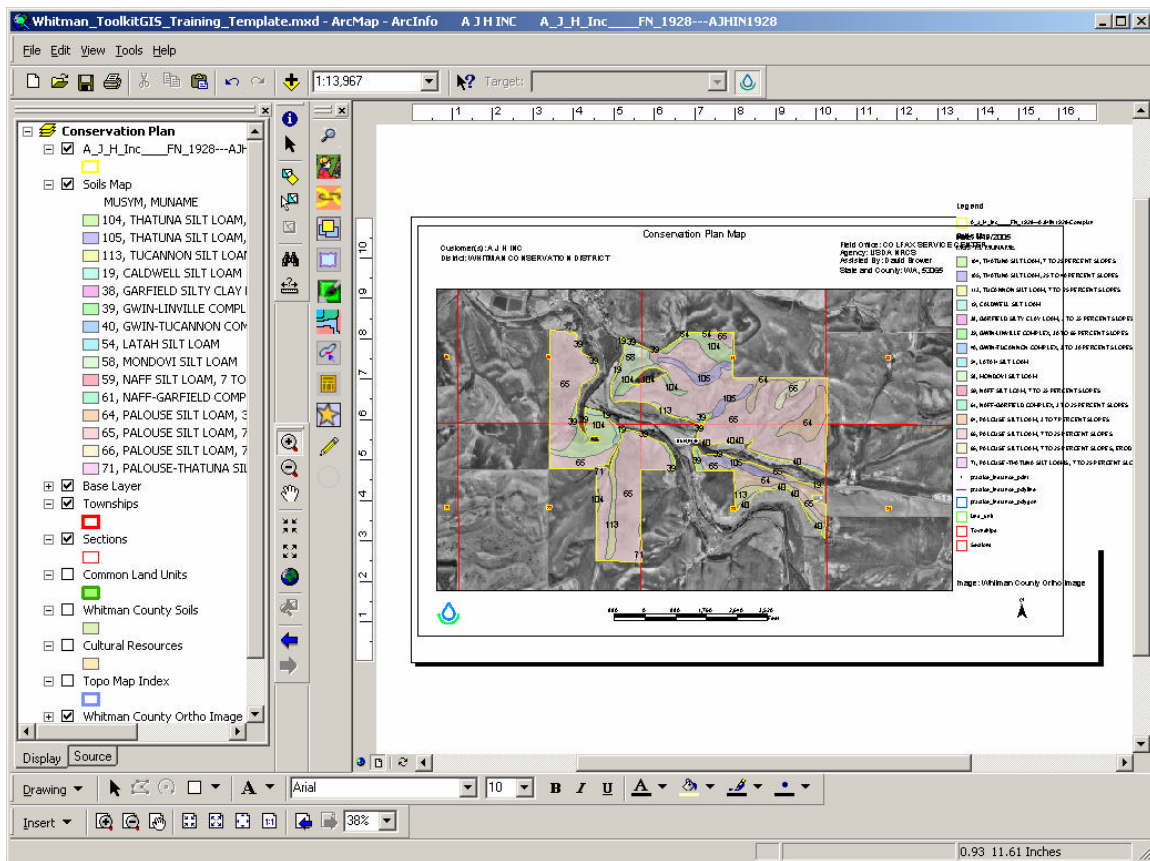
Click the “Map labels” button (the Paint Brush) on the **Toolkit Toolbar** to label the soils. The “Toolkit V5 Map Labels” window appears.

At the top of the window click on the pull down menu and select “Soils Map”. Leave the **check mark** in the box next to “Create Annotation Layer”. The “Label Style” should be “text”. Under “Label Properties” make the “Text Size” **8**, and place a **check mark** in the box next to “Scale Labels”. Click “OK” to close the window.



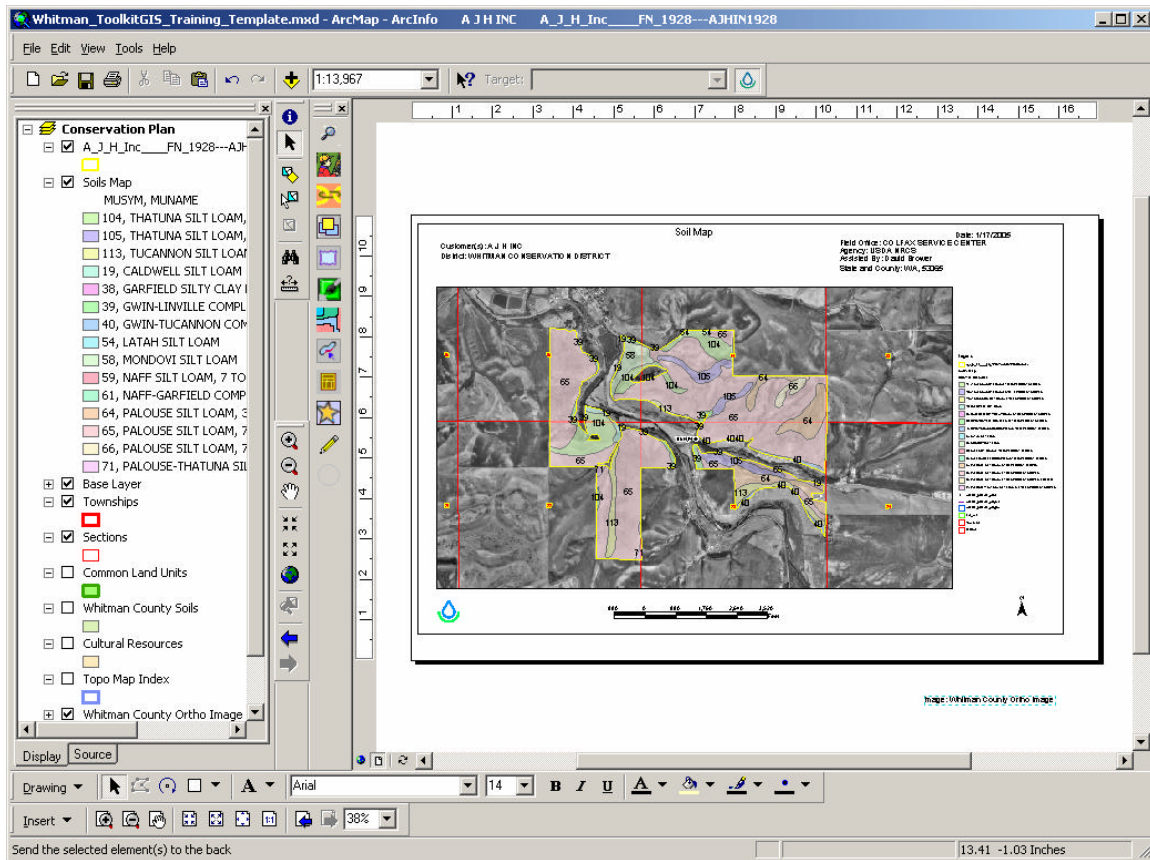
When the “Annotation Layer” window appears, keep the default name of “Soils Map” and click “OK”. The soils will be labeled in the view.

Click on the “File” pull down menu and select “Layout View”. Notice how your map legend has expanded off the page (below). This is an easy fix.

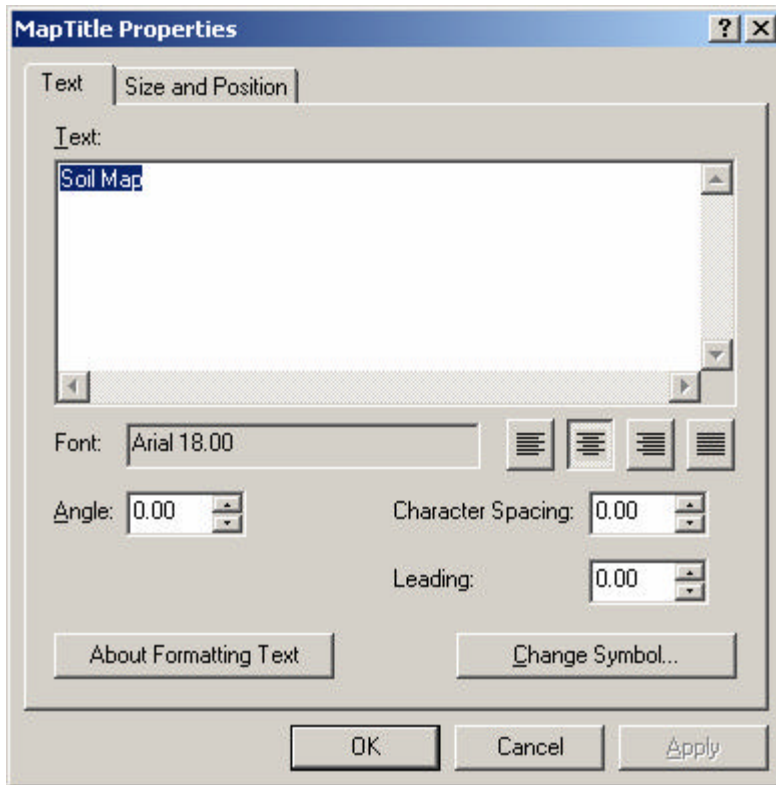


Notice that both the soil number (MUSYM) and soil name (MUNAME) are displayed in the map legend. Also note that the transparent soils in the view part of the map are only labeled with soil numbers (MUSYM). The map legend makes it easier to understand what soil units are present on the map.

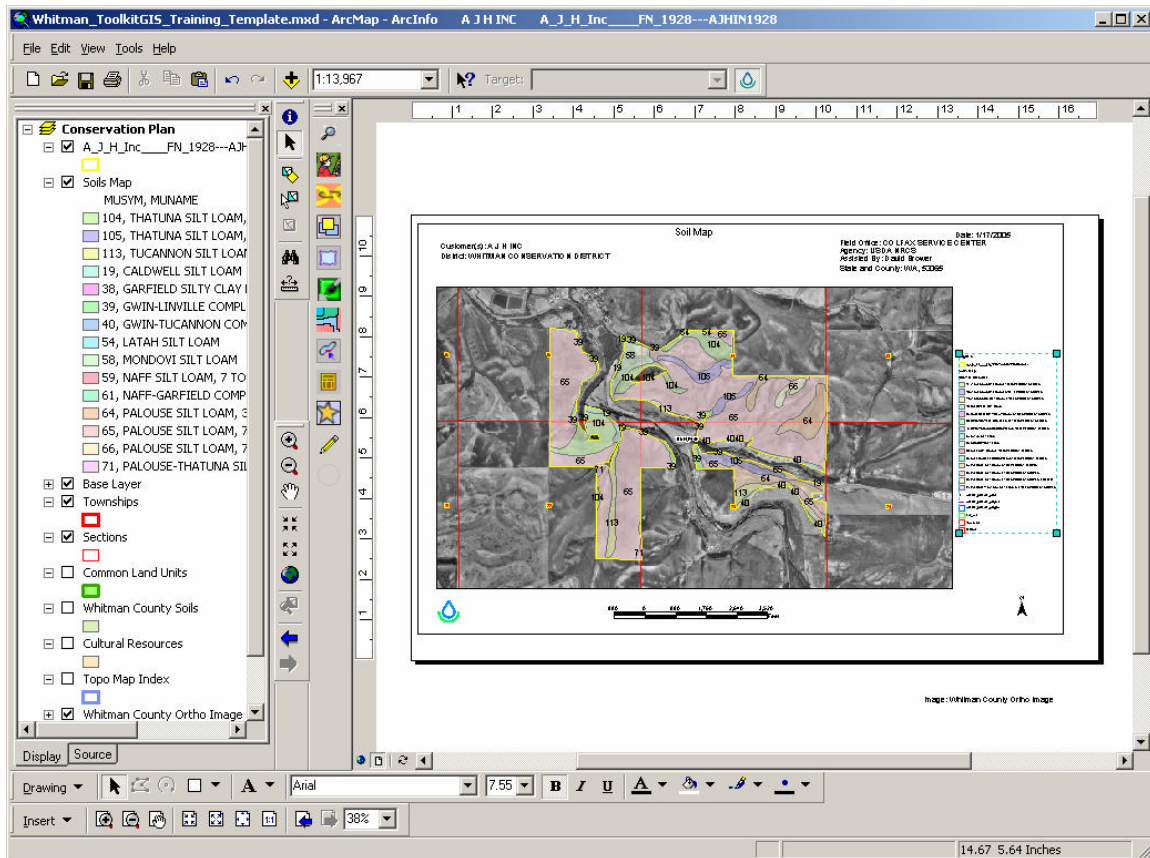
NOTE: When making a Soils Map with the “Map Products” button (the Blue Pillow button) on the Toolkit toolbar, use the **11x17 Tabloid** page layout. This will give you more “white space” for the soil portion of legend.



You will want to change the title of the map from “Conservation Plan Map” to “Soils Map”. To do this, use the “Black Pointer” button to right click on the title text and select “Properties”.



Change "Conservation Plan Map" to "Soils Map" and click "OK".



You will also want to **resize the legend** so it fits within the map layout. **Left click** on the map legend with the “Black Pointer” button to make it active, grab a corner of the legend and drag inward to make it smaller. When it is the right size, **left click** on the legend again, **hold down the left mouse button**, then **drag** the legend into the layout as shown above. Then let go of the mouse button.

Save your ArcMap project.